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“MO Ag-All Around,  
Up and Down”

Fourth through sixth grade students

2002-2003

**Title:** “MO Ag- All Around, Up and Down”

**Target Audience:** fourth through sixth grade students

**Statement of purpose:**

The goal of the lesson is to promote the understanding of agriculture in our state. Students will learn what agriculture is, the agriculture in our state, its uses, and its effects on their daily lives.

**List of materials necessary to present the lesson:**

- White poster board
- Markers
- Cut out pictures of animals
- Stuffed farm animals
- Outline of lesson as handout
- Ag quiz
- Soy wax candle
- Cotton balls
- Insulin bottle
- Gum

**List of references used to write the lesson:**

- <http://www.agclassroom.org>
- <http://www.usda.gov/nass/>
- <http://agebb.missouri.edu/mass/farmfact/farmfact.htm>

**List of Missouri Show-Me Standards addressed:**

Science-#8; Impact of science, technology, and human activity on resources and the environment.

**Introduction:**

To introduce our lesson to the students, our team performed a skit. The skit consisted of a teacher and two students. The students were not very knowledgeable about agriculture. As the teacher taught the students the importance of agriculture, our fifth grade students became interested in learning themselves.

**Procedure:**

After the introduction, we will open the lesson with an activity quiz, from the [agclassroom.org](http://agclassroom.org) website. Then we will have a small discussion to find out how much the students already know about agriculture.

Then, we will inform the students of what agriculture really is: production, processing, distribution, and marketing of food and fiber products. We will explain that agriculture is all around, up and down. Everywhere we look, there is some form of agriculture. Next, we will explore the agriculture in our home state of Missouri. Our state has a wide variety of agriculture and we will explore each of aspect of it. Using a poster made of Missouri, we will explain the roles of agriculture, including crops and animals. We will state statistics of Missouri's agriculture such as that Missouri is the second leading state in beef cows.

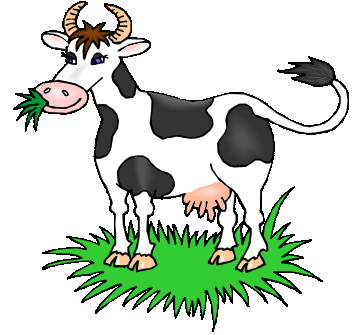
After the students know about the agriculture in Missouri, we will help them to discover the influence of Missouri agriculture in our everyday lives. We will bring products made with Missouri crops that we use every day. Then we will explain what the products are made of and their benefits.

**Conclusion:**

To conclude, we will have a quiz using stuffed animals. The student will be handed a stuffed animal, one that is raised in Missouri. Then the child will have to tell, in front of the class, one thing that he learned about that animal.

Finally, we will end our lesson with the continuation of the skit. The teacher, after explaining about agriculture, will ask the student what she learned. The student will answer by giving some examples and concluding that agriculture is "all around, up and down" and that she wants to learn some "MO ag"!

## Agriculture All Around Up and Down



### **Introduction**

- Skit
- Ag quiz
- Discussion

### **Procedure**

-What is agriculture? The production, processing, distribution, and marketing of food and fiber products.

-Agriculture in Missouri (Talk about map)

-Agriculture products

-soy wax candles

-cotton ball

-insulin bottle

-gum

-Impact on everyday lives

### **Conclusion**

- Quiz using stuffed animals
- Continuation of skit

## **Agriculture Quiz**

*True or False*

Hamburger comes from a pig.

2. Agriculture is another word that is used when talking about farming.
3. One acre of land is about the size of a football field.
4. Goats can produce milk.
5. Most bacon is made from pork.
6. Cows are only milked once a day.
7. Steak comes from a beef animal.
8. Blue jeans are made out of cotton.
9. Wool can be used to make clothes and blankets.
10. Swine is another word used to talk sheep.
11. Leather is made from the hides of cattle and pigs.
12. The part of the onion plant that we eat is the flower.
13. Wheat is a seed.
14. Bread is mostly made of corn.
15. Flour is ground up wheat.
16. Spaghetti noodles are mostly made of flour.
17. The main ingredient in salad dressing is vinegar.
18. Corn can be dried and crushed to make oil.
19. The oil used in mayonnaise and salad dressing is made from seeds.

## Appendix

### Credit Sources:

Missouri Department of Agriculture

<http://www.mda.state.mo.us/Animals/br.htm>

Ag Classroom

[http://www.agclassroom.org/kids/top\\_q\\_35.html](http://www.agclassroom.org/kids/top_q_35.html)